

SHCHUKAREV, Sergey Aleksandrovich; TOLMACHEVA, T.A., otv.red.;
PIASTRO, V.D., red.; ZHUKOVA, Ye.G., tekhn.red.

[Lectures on the general chemistry course] Lektsii po obshchemu
kursu khimii. Leningrad, Izd-vo Leningr.univ. Vol.1. 1962.
405 p. (MIRA 15:5)

(Chemistry--Study and teaching)

1. The first part of the document is a list of the names of the individuals who were involved in the project. The names are listed in alphabetical order. The names are: [illegible]

2. The second part of the document is a list of the dates when the individuals were involved in the project. The dates are listed in chronological order. The dates are: [illegible]

3. The third part of the document is a list of the locations where the individuals were involved in the project. The locations are listed in alphabetical order. The locations are: [illegible]

4. The fourth part of the document is a list of the activities that the individuals were involved in. The activities are listed in alphabetical order. The activities are: [illegible]

5. The fifth part of the document is a list of the results of the project. The results are listed in alphabetical order. The results are: [illegible]

SUBBOTINA, Yelena Pavlovna; REGEL', A.R., otv.red.; PIASTRO, V.D.,
red.; VODOLAGINA, S.D., tekhn.red.

[Laboratory methods for studying transistor devices] Labora-
tornye metody izucheniia poluprovodnikovyykh priborov. Lenin-
grad, Izd-vo Leningr.univ., 1960. 132 p. (MIRA 13:7)
(Transistors)

PIASTOWSKI, J.

Methods of combating electrolytic corrosion of underground cables. p. 221.
(Przegląd Kolejowy Elektrotechniczny, Vol. 1, No. 2, Aug 1946, Warsaw, Poland)

SC: Monthly List of East European Accessions (SEAL) LC, Vol. 6, No. 2, Aug 1946. Incl.

PIATAKOVA, L. L.

11894 (Russian) Properties of the γ -irradiated steel 45 + boron. L. E. Gordenkin, L. S. Litchevich, L. I. Piatkova and G. M. Trusnyy. *Stal*, v. 17, May 1957, p. 489-493.
Addition of 0.001 to 0.005 of B to the "45" steel increases hardenability and consequently improves some of its properties.

6
2-4E3d
4E3C

RG

KRUPOWICZ, Zygmunt, mgr inż.; PIATEK, Fryderyk, inż.

Mechanical batcher of the sifting type for the modification of
cast-iron. Przegl odlew 12 no.11:357-358 N '62.

PIATK, Stefan

The magnetization of iron cores for given working conditions
of turbogenerators with various cooling systems. Rozpr. elektrotech.
10 no.3:331-341, 1971.

1. Department of Electrical Machines, Technical University, Warsaw.

riatkiewicz A., Dr.

riatkiewicz A., Dr. Invt. "Compensation in Chain Drives with Elastic Links.
(Kompensacja przy napędzie łańcuchów elastycznych). Applied Mechanics,
No. 1-6, 1967, pp. 106-111, 1 fig.

Kinematics of non-compensated systems of engagement with driving pulleys,
in differential and in chord systems of engagement. Shortening of lengthening
of links by different systems of engagement. Displacement, with curves
showing these alterations in length. Systems with driving pulleys having
compensated movements of links, velocities and acceleration.

AC: Polish Technical Abstracts - No. 1, 1968

OTTO, Edward, prof. dr.; WOLSKA-BOCHEREK, Janina, prof. dr.; SADOWSKA,
Danuta, doc. dr.; ODERFELD, Jan, prof. dr.; BORSUK, Karol, prof.
dr.; RYTEL, Zdzislaw, prof. dr.; PIATKIEWICZ, Alesky, prof. dr.;
LEITNER, Roman, prof. dr.; ZAKOWSKI, Wojciech, doc. dr.;
BIENKOWSKA, dr.

Professor Witold Pogorzaelski: obituaries. Matematyka Warszawa
Pol no.2:113-136 '64

JAKUBOWSKA, Jadwiga; PIATKIEWICZ, Anna

Metabolism of d,l-malic acid by *Schizosaccharomyces pombe* and
Schizosaccharomyces acidovoratus. *Acta microbiol. Pol.*
14 no.1:63-71 '65.

1. From the Department of Industrial Microbiology, Technical
University, Lodz.

PIATKIEWICZ, Bronislaw, prof. dr

First steps in photogrammetry and cartography at the Faculty of
Geodesy of the Warsaw Technical University. Przegl geod 35
no.11:461-462 N '63.

1. Dziekan Wydziału Geodezji i Kartografii, Politechnika, Warszawa.

PIATKIEWICZ, R., mgr inż.

Monitor bits for oil and gas drilling in the Dnieper-Donets Basin.
Nafta 21 no.3:84-85 Mr 1984.

PIATKIEWICZ R.

4188. Device for obtaining uniform samples of sediment from wells. S. M. Bolshakov and R. Piatkiewicz. *Nefte (Krasno)*, 1958, 12, 246-7.—Bolshakov designed a sampler which is here described with a diagram. It is claimed that water content of the sample is preserved.

M. S.

2

PIATKIEWICZ, R., mgr. inż.

Proper handling of drilling stick bar . 1st Pol .
no.12:282-285 1953.

1. 1950-1951

2. 1952-1953

3. 1954-1955

4. 1956-1957

5. 1958-1959

6. 1960-1961

7. 1962-1963

PIĄTKA W CZ. K.

activities of
 firms, banks,
 and production
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 a large region
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NS-01A

PLATKOWICZ, R

Soviet petroleum industry's tasks for 1960-61 - *Pravda* (Moscow), 1960, 18, 238-49. During the last 5 years petroleum production rose by 87%, and for the next 5 years it is anticipated that it will rise a further 81%. In 1960 it is expected to reach 136 million tons, whilst proved reserves of petroleum will rise by 65-70% and gas by 80-90%. Since the end of the war new deposits have been discovered in the Urals, Siberia and the Far East. New pipelines are envisaged for Tiumeni-Omsk, Irkutsk, Ufa-Omsk (second), Novosibirsk-Irkutsk, etc. Production of transportable rigs is going to increase. Drilling costs will be lowered by 35-40%. Productive drilling must rise by 85% and exploratory drilling by 65%. Secondary production is to go up by 83%. It is observed that costs of production in certain regions, in particular in the U.S.S.R., are more than double that for the whole of the U.S.S.R. In all regions productivity will be increased. The shortage of oil, which is now turned into a surplus, is now turned into a shortage. New refineries of 45 million tons total throughput and 25 million tons cracking capacity are planned. Increased production of chemical intermediates and solvents is imperative. By building large diameter pipelines, pumping throughput is to be increased sixfold to 83,000 million tons/km.

M. S.

HLAVATY, A.; HLAVATY, B., DANKO, S.; PIATKOWSKA, H.

Results of the treatment of deforming changes of the hip joints
by intra-articular hydrocortisone. Chir.narz.ruchu ortop.polska
24 no.6:577-584 '59.

1. Z Kliniki Ortopedycznej AM w Gdansk. Kierownik: doc. dr
A. Senger i z Ośrodka Reumatologicznego w Sopocie. Dyrektor dr
J. Titz-Kosko.

(HIP dis.)

(HYDROCORTISONE ther.)

DOBRZANSKI, W.T.; OSOWIECKI, H.; PIATKOWSKA, A.

Antibacterial activity in vitro of nitrofurazone Polfa. Pol.
tyg. lek. 19 no.25:955-958 15 Je'64

1. Z Zakladu Mikrobiologii i Higieny Akademii Medycznej w
Warszawie; kierownik: prof. dr. R. Pakula.

PIATKOWSKA, Wanda

Result of the investigation of *Oxyuris* eggs in peri-anal smears
and in dust of 3 children's centers. Wiad. parazyt. 7 no.2:129-
134 '61. (OXYURIASIS epidemiol) (DUST)

AUTHOR: Piętkowski, Felicjan

S/035/62/000/011/063/079
A001/A101

TITLE: Cartographic negative engraving layer

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 1, 1965,
abstract 116165 P (Polish patent, no. 43018, June 28, 1965)

TEXT: The invention subject is a layer applied to glass plates for engraving drawings and maps on it. The engraving layer includes: the lower layer (light sensitive) applied directly to the glass, which contains 0.001 ml water, 40 - 80 g albumin, 5 - 15 g silver nitrate, 1 - 2 g potassium bromide, 10 g phenol and 10 - 40 ml 25% aqueous ammonia; the second (colored) layer consists of 1,000 ml ethyl alcohol, 15 - 30 g resin and a dye stuff whose amount and color ensure the desired optical thickness of the layer. When the first layer is applied, it is dried up and the map original is copied on it; then this layer is covered with a protective layer on which engraving is performed with necessary appliances. The resolving power of the new layer is equal to 6 lines/cm, the thickness of the thinnest line is less than 0.05 mm. The layer is stable within

Card 1/2

Cartographi negative engraving, 1960

the range from -10 to +10 and resistant to the atmospheric conditions. It is retouched in up to 10 possible corrections, and is suitable for various monochrome and multi-color maps.

D. Kuchitkov

[Abstracter's note: Complete translation]

Cart 21

PIATKOWSKI, Felicjan

A chorographic panel. Przegl geod 37 no.3:115-118 Mr '65.

PIATKOWSKI, Feliojan

Large scale city maps and analysis of their contents and
graphics. Przegl geod 34 no.6:250-253 Ja '62.

PIATKOWSKI, FELICJAN

Fototechnika w reprodukcji kartograficznej

Warszawa, Poland, Państwowe przedsiębiorstwo wydawn.kartograficznych, 1957. 100 p.

Monthly List of East European Accessions (MEAL) LC, Vol. 1, no. 4, September 1959.
Undl.

PIATKOWSKI, Franciszek

Electric shock therapy with the application of muscle relaxants.
Neur. &c. polska 10 no.1:125-128 Ja-P '60.

1.Z Kliniki Psychiatrycznej P.A.M. w Szczecinie; Kierownik: z-ca
prof. dr F. Piatkowski.

(SHOCK THERAPY ELECTRIC).
(MUSCLE RELAXANTS ther.)

AUTHOR Piatkowski, Henryk

S 260 62 000 001 002 002
1010 1210

TITLE: Defectoscope

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 40. Pribery tochnoy mekhaniki i ispytatel'nyye ustanovki, no. 1, 1962, 1, abstract 40 1.93. [Instytut Elektrotechniki. (Zakład Radiologii Przemysłowej)] Polish patent, class 42k, 46 07, no. 43858, February 7, 1961

TEXT: A defectoscope, for operation with radioactive preparations in examination of casts and welded cast-iron and steel joints, is described. A mercury piston, instead of lead, is used for moving the radioactive materials, because of a higher absorption coefficient of mercury than of lead. Inside a lead sphere (1) (see figure) there is a mercury-filled cylindrical pipe (2), on one end of which the case (4) is placed, which shields the radioactive material in the operating position. The ampoule with the preparation (6) is placed in the case of the piston (3), which moves in the pipe (2). Both sides of the piston (3) have holes. The movement of the piston is controlled by means of a transmission line, such as Bowden's line. In the position of complete protection the preparation is located in the middle of the sphere (1). Shifting it into the operating position is done by means of a lever, which is not shown in the picture. The lever is connected to the end of the transmission line, which transmits the movement by means of a small lever (12) to the piston (3) with the preparation (6). The piston's movement in the mercury takes place due to the holes in both its sides. The operating position of the

Card 1/3

Defectoscope

S 260 62 000 001 002 002
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radioactive preparation is reached at the displacement of the piston (3) outside the surface of the sphere, the housing (5) with the preparation (6) should then enter the housing (4). For normal defectoscopy a radiation limiter (14) is used, and this way only a cone-shaped beam of radiation is allowed to leave the apparatus. (When performing defectoscopic surveys using the "roundabout" method, the limiter (14) is removed. The use of the surveying limiter (14) broadens the range of applications of the defectoscope and simplifies the operation. The defectoscope is mounted on a support.

[Abstracter's note: Complete translation.]

Card 3/8

KUCZYNSKI, Henryk; PIATKOWSKI, Krzysztof

Hydration of d-carene-3 in Brown's process. Roczniki chemii 34 no.3/4:
1189-1190 '60. (EEAI 10:3)

1. Katedra Chemii Organicznej Politechniki, Wrocław i Katedra
Chemii Organicznej Uniwersytetu, Wrocław.
(Carene) (Hydration)

PLATKOWSKI, T.

Distr. (B)

✓ 2825 DESULPHURIZATION OF COKING COALS OF THE ROMANIAN PEOPLE'S
REPUBLIC. P. EXPERIMENTS ON THE DESULPHURIZATION OF VALEA JUIU COAL BY
CARBONISATION IN A STREAM OF GAS. DESULPHURIZATION IN A STREAM OF HYDROGEN.
Sum. 1. Platkowski, T. and Birou, N. (Stud. Carost. Energ., 1955, vol. 5,
(1-2), 215-25; Abst. In Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1957,
(13), 15104. Experiments are recorded with varying period of contact between
coal and gas and varying final carbonisation temperature. Sulphur was
removed, but not enough to bring the sulphur content of the coke from this
heavy coal down to the standard figure.

PIATKOWSKI, Jan; PACHUCKI, Czesław

Jozef Zwierzycki, scholar and man, 1888-1961. Rocz geol Krakow
32 no.4:659-667 '62.

1. Katedra Geologii, Politechnika, Gdansk, i Katedra Geologii,
Uniwersytet Marii Curie-Sklodowskiej, Lublin.

PIATKOWSKI, Janusz, dr inż.

Basic statistical methods ~~in~~ their application to the sampling
of seams. Przegl gorn 18 no.9:473-479 S '62.

FIATKOWSKI, Janusz

Determination of the scheme of static control of ash content in
Polish coals on the basis of theoretical and laboratorial research.
Archiw gorn 5 no.1:117-144 '60.

PIATKOWSKI, Janusz

Sampling of mine products as a mixture of grains of different weight. Archiw gorn 6 no.3:187-212 '61.

(Mineralogy)

POLAND/Pharmacology and Toxicology. Narcotics

7-1

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 71037

Author : Piatkowski Jerzy, Gawlikowski Tadeusz

Inst : -

Title : Anesthetic Management of Delivery with Trichloroethylene

Orig Pub : Ginekol. polska, 1957, 28, No 4, 435-460

Abstract : No abstract

Card : 1/1

PIATEWSKI, J.

Machinery and equipment for the chemical industry at the 1974 Poznan International Fair. p. 614.

Prace i Zak. M. D. 11. 11. 1974. Stowarzyszenie Inżynierów i Techników Chemii w Warszawie. Warszawa, Poland. Vol. 11, no. 11/12, 1974.

Monthly List of East European Accessions (1974) LC, Vol. 1, no. 1, 1974.
Uncl.

PIASKOWSKI, Jerzy, Jr. inv.

The sources of "and" are found in the 1950-1960 period.
nothing. Information. Source: 157-11-111.

POLAND

ADONAJLO, Aniela; technical aid: Janzy PLATKOWSKI, Janina
DEIKOWSKA, Henryka MAGDZLARZ, Aniela GILEWSKA; of the De-
partment of Epidemiology (Zaklad Epidemiologii), PZH /Pans-
twowy Zaklad Higieny -- State Institute of Hygiene/ Director:
Prof Dr J. KOSTRZEWSKI; and the Capital City of Warsaw Sta-
tion of Health and Epidemiology (Stacja Sanitarno-Epidemio-
logiczna dla m. st. Warszawy), Director of the Epidemiology
Division: graduate physician R. MALYSZKO

"Comparative Evaluation of the Immunogenic Potency of Anti-
Whooping Cough Vaccines. III. Epidemiological Evaluation of
the Pertussis Component of Di Te Per Combined Vaccines"

Warsaw, Przegląd Epidemiologiczny, Vol XVI, No 4, 1962
pp 423-430

Abstract: /Authors' English summary modified/ Some epidemio-
logical observations were made on children born in 1959, 1960
and 1961 in the City of Warsaw immunized with Di Te Per vacci-
nes. It appeared that pertussis incidence was as high as

1/2

PIATKOWSKI, Jerzy

Blood coagulation during the monthly cycle. Gin. polska
28 no.3:325-328 May-June 57.

1. Z Oddziału Ginekologiczno-Położniczego Szpitala Miejskiego
w Zakopanem Ordynator: dr. J. Piatkowski. Adres: Zakopane, ul.
Krupowki 37.

(MENSTRUATION, blood in
coagulation during monthly cycle, significance (Pol))

PIATKOWSKI, Jozef (Gdansk)

"Mineral resources of Africa" by M. Furon. Reviewed by
Jozef Piatkowski. Czasop. geogr. 34 no.3:307-309 '63.

PIASKOWSKI

POLAND/Chemical Technology. Chemical Products and Their
Application, Part 3. - Drugs. Vitamins. Anti-
biotics.

E

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71747.

Author : St. Piaskowski, R. Makedonska.

Inst : _____

Title : Penicillin-Potassium Tablets of Activity of 50,000 Units.

Orig Pub: Farmac. polska, 1956, 12, No 12, 319-320.

Abstract: No abstract.

Card : 1/1

PIATKOWSKI K.; KUCZYNSKI H.

On the reduction of 1,2-epoxy-p-menthene-8(9) with aluminum hydride.
cis-and trans-B-terpineol. p. 299.

ROCZNIKI CHEMII. (Polska Akademia Nauk) Warszawa, Poland, Vol. 33, no. 2, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 9, September 1959.
Uncl.

PIATKOWSKI, K.; KUCZYNSKI H.

On the reduction of trans-1, 2-epoxy-p-menthene-8(9) ith aluminum hydride,
p. 311.

ROZNIKI CHEMII. (Polska Akademia Nauk) Warszawa, Poland, Vol. 33, no. 2, 1959.

Monthly List of East European Accessions (EMAI) LC, Vol. 8, No. 9, September 1959.
Uncl.

L 05331-67 EWF(j) RM
ACC NR: AP7000211

(N)

SOURCE CODE: PO/C099/66/040/002/0213/0220

PIATKOWSKI, K., KUCZYNSKI, H. and KUBIK, A., of the II Department of Organic Chemistry, Polytechnic Institute (II Katedra Chemii Organicznej Politechniki) Wrocław Organic Chemistry Department, the University (Katedra Chemii Organicznej Uniwersytetu), Wrocław.

"Stereochemistry of the Carene System. Absolute Configuration of (+)-Carene -4"

Warsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 213 - 220

Abstract (Authors' English abstract): Brown's reaction on (+)-carene-3 and (+)-carene-4 was investigated. For the first time the absolute configuration of (+)-carene-4 (1R,6S) was established, on the basis of its connection with (+)-carene-3, the configuration of which was known.

Orig. art. has: 1 figure

and 3 tables. [JPRS: 36,002]

TOPIC TAGS: stereochemistry, organic chemistry

SUB CODE: 07 / SUBM DATE: 05 Apr. 65 / ORIG REF: 008 / OTH REF: 007
SOV REF: 001

KH

Cord 1/1

PIATKOWSKI, Krzysztof; KUZYNSKI, Henryk

On the stereochemical reaction process of the epoxidation of (S)-pinol with peracid. Roczniki chemii 35 no.6:1579-1584, 1961.

1. Katedra Chemii Organicznej, Politechnika, Wrocław, Katedra Chemii Organicznej, Uniwersytet, Wrocław.

Wzrost: 1,70 m, waga: 70 kg, ciężar ciała: 1,70 m.

Wzrost: 1,70 m, waga: 70 kg, ciężar ciała: 1,70 m. Wzrost: 1,70 m, waga: 70 kg, ciężar ciała: 1,70 m.

Wzrost: 1,70 m, waga: 70 kg, ciężar ciała: 1,70 m. Wzrost: 1,70 m, waga: 70 kg, ciężar ciała: 1,70 m. Wzrost: 1,70 m, waga: 70 kg, ciężar ciała: 1,70 m.

CERVENY, O.; KRCILEK, A.; PIATILOVA, H.

Measurement of total & peripheral circulation times. Cas. lek. cesk.
97 no.38:1208-1213 19 Sept 58.

1. IV. interni klinika, prednosta Prof. MUDr. B. Prusik, clen kores-
pondent AV.

(BLOOD CIRCULATION, determ.

total & peripheral determ., clin. application (Cz))

PIATKOWSKI, J.

The sampling of bituminous coal for an ash content in the light of
mathematical statistics. p. 195

ARCHIWUM GORNICTWA. (Polska Akademia Nauk. Komitet Gornictwa)
Warszawa, Poland. Vol. 4, no. 3, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960

Uncl.

PIATKOWSKI, Marek

Increase of minimum pensions. Praca zatezp spol 2 no.1; 1965.
Ja '65.

PIATKOWSKI, Marek

Amended statute on the retirement allowances for career
soldiers. Praca zabezp spol 6 no.1:31-35 Ja'64.

PLATINUM, No. 1, 1951.

Intern. J. of the ... of the ...
... .. '51.

PIATKIEWICZ, Roscislaw

Problems of additional productive drilling of deposits.
Wlad naft 10 no.10,226-227 O '64.

Tubing of fluid pipes in boreholes. Ibid.,227-229

PIATKOWSKI, Stanisław ,prof. dr.

Pathomechanics of rheumatoid deformation. Chir. narząd. ruchom.
ortop. Pol. 28 no.7:667-675 '63

1. Z Kliniki Ortopedycznej Akademii Medycznej w Lubli etc
(Kierownik: prof. dr. St. Piatkowski).

PIATKOWSKI, S.

In Memoriam Jozef Aleksiewicz, M.D., 1884-1957. Gair. arz. ruski 1958.
3:205-2 ? 1958.

(OBITUARIES,

Aleksiewicz, Jozef (Pol))

PIATKOWSKI, Stanislaw

Effect of the suprapatellar bandage on the range
of movement of the knee joint. M.P. PIATKOWSKI. P.M. 1971, no.2:277-280. 1p.

1. Z Kliniki i St. Iyoznej Akademii Iyoznej w Warszawie. 1971.
doc. dr. med. St. PIATKOWSKI.

PIATKOWSKI, Stanislaw (Lublin, ul. Staszica 11)

Post-traumatic dystrophy of bone of the Sudeck type; clinical aspects.
Chir.narz. ruchu 23 no.1:19-21 1958.

1. Z Kliniki Ortopedycznej A.M. w Lublinie. Kierownik: doc dr St.
Piatkowski.

(OSTEOPOROSIS, case reports
Sudeck's atrophy (Pol))

RUMANIA/Chemical Technology - Processing of Solid Fossil Fuels. H-22

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 82930

Author : Blum, I., Matkowski, Th., Epure, I.

Inst : -

Title : The Experiments Concerning the Desulfurization of Coking Coals of RMR [Rumanian People's Republic]. Communication IV. The Influence of Inorganic Additives Upon the Sulfur Content and Its Compounds in Coke from Gas Coal from Valea Jiului.

Orig Pub : Studii si cercetari ener., 1957, 7, No 2, 201-211.

Abstract : Results are reported on the experimental carbonization of gas coal from valea Jiului in a mixture with CaO in order to obtain a strong and dense metallurgical coke. For Communication III, see R.Zh. Khim., 1957, 77955.

Card 1/1

- 9 -

PIATKOWSKI, W.

PIATKOWSKI, W., Let us prepare to buy grain at the market. p. 4.

Vol. 6, no. 7, July 1955, Warszawa, Poland AGRICULTURE

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, No. 2 Feb. 1956

Platek, Marian

Platek, Marian. The general case of elastic lateral buckling of straight beams. Arch. Mech. Stos. 6, 235-260 (1954). (Polish. Russian and English summaries)

The author presents a new method for finding a critical load effecting a lateral buckling of a beam. The beam is a thin-walled structure with one axis of symmetry and an open cross-section varying arbitrarily along the beam. It is supported at both ends in such a way that ends cannot rotate. The author uses a system of stability differential equations given for this kind of beams by V. Z. Vlasov [Thin-walled elastic beams, Moscow, 1940; Prikl. Mat. Meh. 8, 361-394 (1944); MR 7, 142]. In his solution the author applies Fourier series and introduces a new method of successive approximations. His method is a generalization of Galerkin's method and indeed the first approximation coincides with Galerkin's result.

T. Leiser.

MS I-F/W

get *ju*

PIATEK, MARIAN

Piatek, Marian. Dynamical stability of axially loaded bars with arbitrarily variable cross-section. Arch. Mech. Stos. 8 (1956), 51-68. (Polish, Russian and English summaries)
The author considers the problem of dynamical stability of a pin-jointed bar loaded by an axial pulsating force. The mass and the bending stiffness of the bar are variable along its length and are represented by means of trigonometric series. Applying the condition of orthogonality, the author reduces the differential equation for the deflection curve to the Hamilton variational principle, whose integrals are representable in form of Stieltjes integrals (called Radon's integrals). This results in a functional whose Euler-Lagrange differential equation (called Hamilton-Ostrogradski formula) solves theoretically the problem. In practical applications some approximation procedure must be used. In the step procedure used by the author, the Euler-Lagrange equation reduces to a system of Hill's differential equations, from which one obtains Euler's formula for the critical load. Similarly, the equations for the frequency reduce to the Mathieu differential equations. The stability of the solution is verified by means of Strutt charts. The coefficients in trigonometric expansions are determined by a numerical method. An example of a long frustum under the axial load shows that the difference between the second and third approximation is negligible.

M. Z. Krzywicki, Urbana, Ill.

ZARNECKI, S.; PIATEK, M.

Metabolic variabilities in vernal and hibernial strains of salmon and trout. Pol. biol., Warsz. 2 no.3-4:259-269 1954.

1. Katedra Rybactwa Wyższej Szkoły Rolniczej Krakow. Kierownik: S.Zarnecki.

(FISH,

salmon & trout, metab. variabilities in vernal & hibernial strains)

BEATCH, W.; ANDERSON, J.

"Diversion of Mammals in Winter and Spring from the Salmon River
and Salmon River." (J. Wildl. Management, Vol. 1, No. 3/4, 1936; and
see: Mont. L. Hist. Soc. Trans. Proceedings, (EEAL), 14, Vol. 1, No. 1,
April 1936, incl..

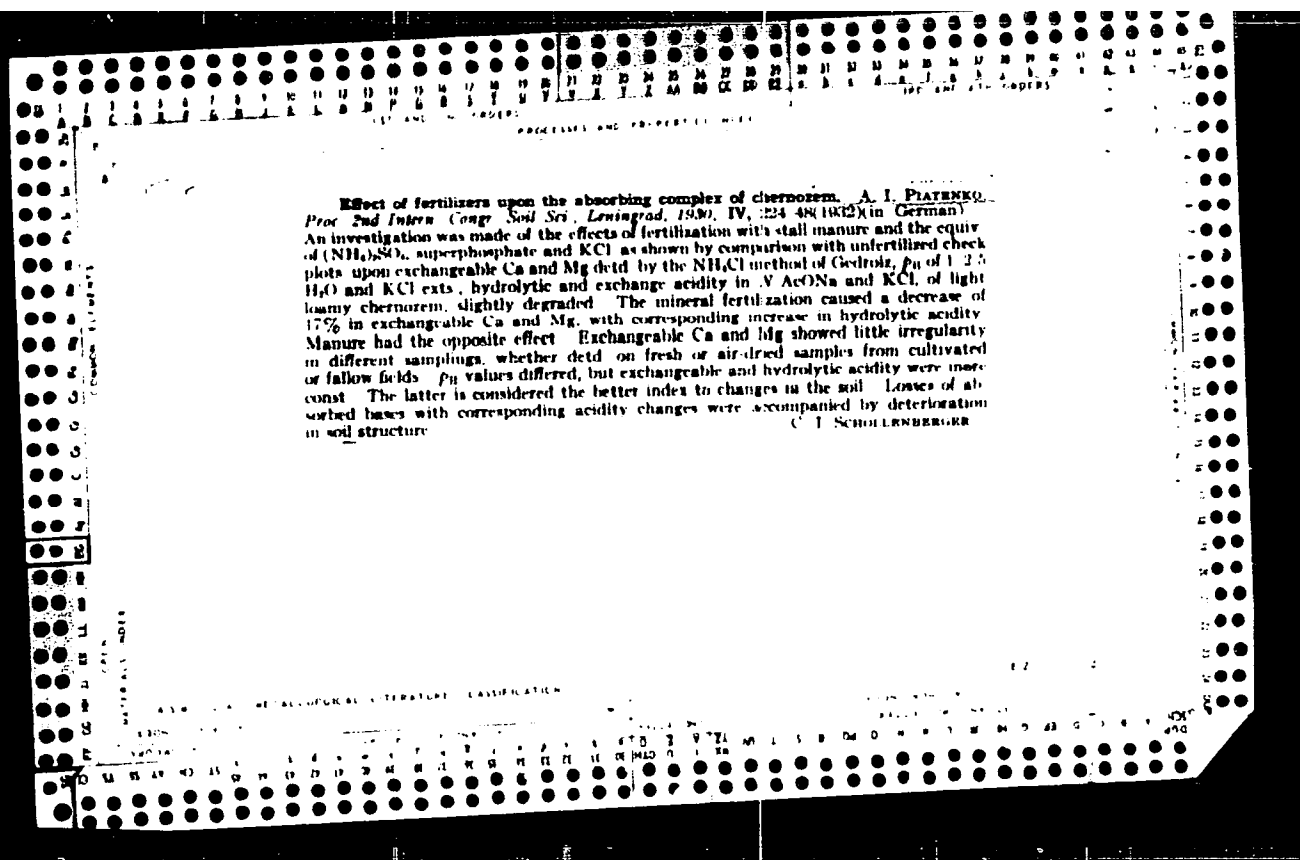
PIATEK, MARIAN

Twierdzenie Marysielki Bialik
w Przypadku Ciężarów (The General Case
of Lateral Buckling of Beams)
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